

What is claimed is:

1. A speaker apparatus comprising:

a magnetic circuit having a magnetic gap;

5 a magnet for generating a magnetic field to be applied
to the magnetic circuit;

a cylindrical coil bobbin arranged within the magnetic
gap;

a voice coil attached to the coil bobbin; and

10 a diaphragm coupled with the one end of the coil bobbin
and being oscillatable in an axial direction of the coil bobbin,

wherein the voice coil includes a winding portion where
a conductive wire is wound in a circumferential direction on
the periphery of the coil bobbin, lead portions where the
conductive wire at each of both ends of the winding portion is
15 extracted along a bus line of the outer peripheral surface of
the coil bobbin, and supplemental portions added to the lead
portions, and

the supplemental portions each has a shape, which can be
deformed and restored repeatedly in response to stress, applied
20 to the lead portions when the diaphragm oscillates.

2. A speaker apparatus according to claim 1, wherein
each the supplemental portions is provided by making the
conductive wire in a regular shape.

3. A speaker apparatus according to claim 2, wherein
25 each the supplemental portions is provided by making the

conductive wire in a ring shape.

4. A speaker apparatus according to claim 1, further comprising a fixing member for fixing the lead portions on the periphery of the coil bobbin.

5 5. A speaker apparatus according to claim 4, wherein the fixing member is an adhesive tape wound around the coil bobbin.

6. A speaker apparatus according to claim 1, wherein the magnetic circuit includes a first magnetic gap and a second
10 magnetic gap,

the voice coil is arranged within the first magnetic gap,
a second voice coil is arranged within the second magnetic gap to include a second winding portion where a second
conductive wire is wound on the periphery of the coil bobbin,
15 second lead portions where the second conductive wire at each of both ends of the second winding portion is extracted unidirectionally along the periphery of the coil bobbin, the second lead portions being connected to the conductive wire of the voice coil, and

20 the second lead portions have second supplemental portions each having a shape, which can be deformed and restored repeatedly in response to stress applied to the second lead portions.